

replace the paragraph, lines 2 through 5, with the following amended paragraph:

--The current invention relates to a device for acting on a flowing gas, in particular an exhaust, with a reactant, in particular a reducing agent.--

✓
insert the following new paragraph after line 5:

--Description of the Prior Art--

✓
replace the paragraph starting on page 1, line 24 ending on page 2, line 9, with the following amended paragraph:

B²
--Although a part of the reducing agent is atomized in the mixing chamber or mixing section, a wall film forms. If the atomizing tube depicted there is used, an uneven wall film decomposition occurs in the vicinity of bends or turns – particularly when small reducing agent quantities are used. This is due to the fact that in the inner and outer regions of the tube bend, there are different flow speeds of the air, exhaust, or other carrying medium which is used to transport the reducing agent. A favorable equidistribution of the reducing agent in the entire operating range of the system is therefore not assured. This results in poorer conversion rates in the catalytic converter.--

Page 2, insert the following new paragraph after line 22:

--OBJECTS AND SUMMARY OF THE INVENTION--

replace the paragraph starting on page 2, line 23 ending on page 3, line 4, with the following amended paragraph:

--A primary object of the invention is to produce a device for acting on a flowing gas, in particular an exhaust, with a reactant, in particular a reducing agent,

with which a favorable aerosol formation occurs in the greatest possible characteristic field range so that the overall efficiency of the reaction system, in particular of a catalytic converter system, is increased and so that lower NO_x emissions, for example, can be achieved.--

Page 3, delete lines 5 and 6:

delete lines 17 and 18:

replace the paragraph starting on page 3, line 19 and ending on page 4, line 2, with the following amended paragraph:

--According to a preferred embodiment of the device according to the invention, the means for uniformly distributing the reactant are embodied as screens or throttles inserted into the tube. A screen or throttle of this kind can be obtained for very little expense and can easily be inserted into a desired location in the supply or metering tube of the reactant.

Page 5, insert the following new paragraph after line 11:

--BRIEF DESCRIPTION OF THE DRAWINGS--

replace the paragraph, lines 12 and 13, with the following amended paragraph:

--The foregoing and other features of the invention will be from the detailed description, taken in conjunction with the accompanying drawings, in which:--

insert the following new paragraph after line 17:

--DESCRIPTION OF THE PREFERRED EMBODIMENTS--

Page 6, replace the paragraph, lines 16 through 25, with the following amended paragraph:

B⁷ --At the downstream end of the supply tube 1, there is a section labeled X, which is shown in an enlarged scale in Fig. 2. In this region X, embodied on the circumference of the wall of the tube section 1b, the supply tube 1 has a number of openings 2 via which reducing agent can travel from the supply tube 1 into the exhaust pipe. Before these openings 2 in the upstream direction, there is a throttle 3, which has a throttle opening 3a in the center. The function of this throttle 3 in operational connection with the openings 2 will be explained below.--

Page 8, insert the following new paragraph after line 3:

B⁸ --The foregoing relates to preferred exemplary embodiments of the invention, it being understood that other variants and embodiments thereof are possible within the spirit and scope of the invention, the latter being defined by the appended claims. f.

↓
Page 9, delete "Claim" and insert --I Claim--.